

SONY**VAIO**

Plenty of power. Won't overpower your room.

Portable Multimedia Entertainment

Feature-packed desktop replacement that performs more like an entertainment center. Plenty of power that won't overpower your room.

Integrated DVD±RW/CD-RW Drive

Burn professional quality DVDs and CDs.⁴

AV Entertainment Dock

Plug in and access Sony's most powerful TV tuner available in a notebook, personal video recorder, high-end digital audio amplifier and premium Sony speakers. Enjoy recorded show playback anywhere you take your notebook.

Superior LCD Technology

Powerful combination of exclusive Sony technologies combines to give you truly incredible image quality. XBRITE™ LCD Technology delivers ultra crisp and super bright graphics like you've never seen in a notebook. Smart Display Sensor™ automatically adjusts to any projector or display resolution.

Centrino™ Mobile Technology

Centrino™ Mobile technology runs cool and quiet, while keeping the profile slim and light, with enhanced performance and battery life. A remarkable blend of full-size power and portability. Wireless capabilities let you connect wire free around your home or on the road.

Model

VGN-A190

HARDWARE

Processor Name

Intel® Pentium® M Processor 735

Processor Speed

1.70GHz¹

L2 Cache

2MB

Front Side Bus Speed

400MHz

Chipset

Intel® 855PM

Hard Drive

80GB²

Integrated Wireless LAN

Intel® PRO/Wireless 2200BG Network Connection(802.11b)³

LCD

17" WUXGA with XBRITE™ Technology (1920x1200)

Graphics

ATI Mobility™ Radeon™ 9700

Memory

512MB (256 MB x 2/DDR 333)

Memory Max

2GB

Video RAM

64MB

Optical Drive

DVD±RW/CD-RW⁴

Maximum Speeds: CD Read (24x MAX);

CD-R Write (16x MAX); CD-RW Write (8x MAX);

DVD Read (8x MAX); DVD-R Read (4x MAX)/Write (4x MAX); DVD-RW Read (2x MAX)/Write (2x MAX);

DVD+R Read (4x MAX)/Write (2.4x MAX); DVD+RW Read (2x MAX)/Write (2x MAX)

Modem

Integrated V.90 Modem with RJ-11 interface

Ethernet

10BASE-T/100BASE-TX/1000BASE-TX Ethernet with RJ-45 interface

Memory Stick® Media Slot

Supports optional Memory Stick, Memory Stick PRO™ and Memory Stick DUO™ media⁵

PC Card Slots

One PCMCIA - Type II/Type I card slot with CardBus support

Audio

Windows® sound system compatible, Built-in stereo speakers

Audio Interface

Monaural mini microphone jack, Headphone jack

Graphics Interface

VGA out w/ Smart Display Sensor™

Video Interface

A/V mini jack, Giga Pocket™ Engine MPEG2 Realtime Encoder/Decoder board with TV Tuner (w/ AV Entertainment Dock option)

Other Interfaces

i.LINK® connector(IEEE 1394), 3 USB 2.0 ports, port replicator connector⁶

Docking Station

AV Entertainment Dock with S-Master™ Digital Amplifier and Premium Speakers including: DC in, Four USB 2.0 ports, Monitor (VGA) port, VHF/UHF TV port, S-Video in/out, DVI-D, RJ-45 Ethernet, Printer port, Optical out, Line in (RCA Pin), Line out (RCA Pin), Dock Connector

Pointing Device

Electro-Static touch pad

Keyboard

QWERTY, 86 keys with 3mm stroke and 19.05mm pitch

Action Buttons

Power On, S1 (programmable), Magnify Screen, Brightness, Volume(+), Volume(-), Mute

Power Requirements

168W±10%

Battery

Lithium-ion Battery (PCGA-BP2EA)

Estimated Battery Life

Standard Battery: 1.5-5.0 hours⁷

Optional Floppy Drive

External 1.44 MB, 3.5" USB floppy drive (PCGA-UFD5)

Weight

8.6 lbs. with standard battery (weight is approximate and may vary by components)

Size (W x H x D)

16" x 1.7"-1.8" x 11"

Supplied Accessories

Standard Lithium-ion battery (PCGA-BP2EA), Power cord & AC adapter (PCGA-AC19V7), AV Entertainment Dock w/Speakers(2) & Remote Control

Optional Accessories

Rechargeable Battery Pack (PCGA-BP2EA)

Port Replicator

(VGP-PRA1)

AC Adapter (PCGA-AC19V3)

AC Adapter (PCGA-AC19V7)

802.11 a/b/g Wireless LAN Router Access Point (PCWA-AR800)

802.11 a/b/g Wireless LAN Ethernet Converter (PCWA-DE80)³

Visual Communication Camera (PCGA-UCV11A)

Wireless optical mouse (PCGA-WMS5/S)

USB Mobile Mouse- Black (PCGA-UMS3/B)

USB Mobile Mouse- Silver (PCGA-UMS3/S)

USB Optical VAIO Mouse (PCGA-UMS5)

Memory Card Adapter (VGP-MCA10)

512MB memory expansion module (VPG-MM512G)

60GB External Hard Drive (PCGA-HDM06)²

External Floppy Disk Drive (PCGA-UFD)

SOFTWARE

Operating System

Microsoft® Windows® XP Home Edition

VAIO® Creation Suite Software

Sony Click to DVD™ software

Sony DVGate Plus™ software

Sony SonicStage® software

Sony SonicStage® Mastering Studio software with MP3 encoder

Sony Picture Gear™ Studio software

Sony VAIO Media™ software

VAIO® A Series Software Bundle

Sony Giga Pocket® Personal Video Recorder

Network Smart Capture

Sony VAIO Update software

Sony VAIO Recovery Wizard software

Sony VAIO Help and Support software

Adobe® Acrobat® Reader

Adobe® Photoshop® Elements

Adobe Photoshop Album

Starter Edition

Intuit Quicken® 2004 New User Edition (previous Quicken users may require additional upgrade)

InterVideo® WinDVD®

EasySystems Dragn' Drop CD+DVD

Microsoft® Works 7.0

Microsoft Office® 2003 60-Day Trial (Student/Teacher Edition)⁸

Anti-Virus Software

Norton® Internet Security™ 90-Day Subscription

Internet Services

AOL Online™ 90-day Trial⁸

SERVICE AND WARRANTY INFORMATION

Limited Warranty

1 Year Battery

1 Year Hardware Parts and Labor⁹

Repair Service

Includes customer-replaceable part service and mail-in Sony depot service options¹⁰

Telephone Support

One year of 24-hour, 7-day-a-week, free support for hardware issues.

Ninety days of free support for software and operating system issues

On-line and Email Support

Free support available from <http://www.sony.com/pcsupport>

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.

2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.

3. Requires compatible wireless LAN access point, sold separately. Internet connection may require fees.

4. DVD Media/Formats are not universally compatible.

5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate™ functionality.

6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.

7. Estimated battery life. Actual battery life may vary on usage.

8. New users only. Terms and conditions apply.

9. Certain restrictions apply. For copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.

10. Type of repair service provided is solely at Sony's discretion. Not all types of repair service offered on all models.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options

VGN-A190 Notebook

The VAIO® A Series Personal Notebook is a desktop replacement computer. Unlike other full-size notebooks, it connects to an AV dock that enables a TV tuner, personal video recorder; S-Master™ digital amplifier and premium speakers.

except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Preinstalled software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate. (c)2004 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, i.LINK, Memory Stick, SonicStage, Giga Pocket, and VAIO are registered trademarks of Sony. XBRITE, ErgoBright, Smart Display Sensor, Memory Stick PRO, Memory Stick PRO Duo, MagicGate, Click to DVD, S-Master, DVgate Plus, VAIO Media, Picture Gear Studio and Like No Other are trademarks of Sony. Intel and Pentium are registered trademarks, and Centrino is a trademark of Intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. All other trademarks are trademarks of their respective owners.

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Sony recommends
Microsoft® Windows® XP Professional